

WHAT IS CLAIMED IS:

1. An image communication apparatus comprising:

means for reading an image and generating image data representing the image;

5 means for adding transmission information onto the image data;

means for compressing the image data onto which the transmission information has been added and storing the compressed image data in memory; and

10 means for transmitting the image data that has been stored in the memory.

2. An image communication apparatus comprising:

means for adding transmission information onto image data that has been entered;

15 means for compressing the image data onto which the transmission information has been added and storing the compressed image data in memory; and

means for transmitting the image data that has been stored in the memory.

20 3. An image communication apparatus comprising:

means for reading an image and successively storing image data representing the image in a buffer;

means for extracting the image data from the buffer in prescribed area units of the image;

25 means for determining whether transmission information is to be added onto each item of image data

extracted;

means for adding the transmission information onto the image data that has been determined to have this information added to it;

- 5 means for compressing the image data in the area units and storing the compressed image data in memory; and

means for transmitting the image data that has been stored in the memory.

- 10 4. An image communication apparatus comprising:

means for reading an image and generating image data representing the image;

means for adding transmission information onto the image data;

- 15 means for compressing the image data onto which the transmission information has been added and preserving the compressed image data; and

means for transmitting the image data that has been preserved.

- 20 5. An image communication apparatus comprising:

means for reading an image and generating image data representing the image;

means for adding transmission information onto the image data;

- 25 means for compressing the image data onto which the transmission information has been added and storing the

compressed image data in memory; and

means for transmitting the image data that has been stored in the memory without expanding or compressing the image data.

- 5 6. An image communication method comprising the steps of:

adding transmission information onto image data representing an image that has been read;

compressing the image data onto which the
10 transmission information has been added and storing the compressed image data in memory; and

transmitting the image data that has been stored in the memory.

- 15 7. An image communication method comprising the steps of:

adding transmission information onto image data that has been entered;

compressing the image data onto which the
transmission information has been added and storing the
20 compressed image data in memory; and

transmitting the image data that has been stored in the memory.

8. An image communication method having a reading step of reading an image and generating image data
25 representing the image; a storage step of compressing the image data and storing the compressed image data in

memory; and a transmitting step of transmitting the image data that has been stored in the memory;

the method further including a step of adding transmission information onto the image data after the reading step and before the storage step.

9. An image communication method comprising the steps of:

reading an image and successively storing image data representing the image in a buffer;

extracting the image data from the buffer in prescribed area units of the image;

determining whether transmission information is to be added onto each item of image data extracted;

adding the transmission information onto the image data that has been determined to have this information added to it;

compressing the image data in the area units and storing the compressed image data in memory; and

transmitting the image data that has been stored in the memory.

10. An image communication method comprising the steps of:

adding transmission information onto image data representing an image that has been read;

compressing the image data onto which the transmission information has been added and preserving

the compressed image data; and

transmitting the image data that has been preserved.

11. An image communication method comprising the step
5 of:

adding transmission information onto image data representing an image that has been read;

compressing the image data onto which the transmission information has been added and storing the
10 compressed image data in memory; and

transmitting the image data that has been stored in the memory without expanding or compressing the image data.

12. A storage medium storing a program for causing a
15 computer to function as the following means in an image communication apparatus in order to transmit image data:

means for adding transmission information onto the image data;

means for compressing the image data onto which the transmission information has been added and storing the
20 compressed image data in memory; and

means for transmitting the image data that has been stored in the memory.

13. A storage medium storing a program for causing a
25 computer to function as the following means in an image communication apparatus in order to transmit image data

that has been entered:

means for adding transmission information onto the image data;

means for compressing the image data onto which the
5 transmission information has been added and storing the
compressed image data in memory; and means for
transmitting the image data that has been stored in the
memory.

14. A storage medium storing a program for causing a
10 computer to function as the following means in an image
communication apparatus, which has means for reading an
image and successively storing image data representing
the image in a buffer, in order to transmit the image
data:

15 means for extracting the image data from the buffer
in prescribed area units of the image;

means for determining whether transmission
information is to be added onto each item of image data
extracted;

20 means for adding the transmission information onto
the image data that has been determined to have this
information added to it;

means for compressing the image data in the area
units and storing the compressed image data in memory;

25 and

means for transmitting the image data that has been

stored in the memory.

15. A storage medium storing a program for causing a computer to function as the following means in order to transmit image data that has been entered:

5 means for adding transmission information onto the image data;

 means for compressing the image data onto which the transmission information has been added and preserving the compressed image data; and

10 means for transmitting the image data that has been preserved.

16. A storage medium storing a program for causing a computer to function as the following means in order to transmit image data that has been entered:

15 means for adding transmission information onto the image data;

 means for compressing the image data onto which the transmission information has been added and storing the compressed image data in memory; and

20 means for transmitting the image data that has been stored in the memory without expanding or compressing the image data.

17. An image communication apparatus comprising:

 means for reading an image and generating image data representing the image;

25 means for compressing the image data and adding on

a marker that is for adding on transmission information;

means for storing the compressed image data in memory; and

means for detecting the marker from the image data
5 that has been stored in the memory, and replacing, on
the basis of a position at which the marker resides,
some of the image data with data relating to
transmission information.

18. An image communication apparatus comprising:

10 means for compressing image data that has been
entered and adding on a marker that is for adding on
transmission information;

means for storing the compressed image data in
memory; and

15 means for detecting the marker from the image data
that has been stored in the memory and replacing, on the
basis of a position at which the marker resides, some of
the image data with data relating to transmission
information.

20 19. An image communication apparatus comprising:

means for reading an image and successively storing
image data representing the image in a buffer;

means for extracting the image data from the buffer
in prescribed area units of the image;

25 means for compressing each item of image data that
has been extracted and adding on a marker that is for

means for storing the compressed image data in memory; and

20. An image communication apparatus comprising:

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means for reading an image and generating image
data representing the image;
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means for compressing the image data and adding on
15 a marker that is for adding on transmission information;

means for preserving the compressed image data; and

means for detecting the marker from the preserved image data, replacing, on the basis of a position at which the marker resides, some of the image data with data relating to transmission information, this data having been compressed according to a compression format identical with that of the image data, and transmitting this image data.

21. An image communication apparatus comprising:

25 means for reading an image and generating image
data representing the image;

means for compressing the image data and adding on a marker that is for adding on transmission information;

means for storing the compressed image data in memory; and

5 means for detecting the marker from the image data that has been stored in the memory, replacing, on the basis of a position at which the marker resides, some of the image data with data relating to transmission information, this data having been compressed according
10 to a compression format identical with that of the image data, and transmitting this image data without expanding or compressing it.

22. An image communication method comprising the steps of:

15 compressing image data that has been read and adding on a marker that is for adding on transmission information;

storing the compressed image data in memory; and

20 detecting the marker from the image data that has been stored in the memory, and replacing, on the basis of a position at which the marker resides, some of the image data with data relating to transmission information.

23. An image communication method comprising the steps
25 of:

compressing image data that has been entered and

adding on a marker that is for adding on transmission information;

storing the compressed image data in memory; and

detecting the marker from the image data that has

5 been stored in the memory, and replacing, on the basis of a position at which the marker resides, some of the image data with data relating to transmission information.

24. An image communication method comprising the steps
10 of:

reading an image and successively storing image data representing the image in a buffer;

extracting the image data from the buffer in prescribed area units of the image;

15 compressing each item of image data that has been extracted and adding on a marker that is for adding on transmission information;

storing the compressed image data in memory; and

detecting the marker from the image data that has

20 been stored in the memory and replacing, on the basis of a position at which the marker resides, some of the image data with data relating to transmission information.

25 25. An image communication method comprising the steps of:

compressing image data that has been read and

adding on a marker that is for adding on transmission information;

preserving the compressed image data; and

detecting the marker from the preserved image data

5 and replacing, on the basis of a position at which the marker resides, some of the image data with data relating to transmission information.

26. An image communication method comprising the steps of:

10 compressing image data that has been read and adding on a marker that is for adding on transmission information;

storing the compressed image data in memory; and

detecting the marker from the image data that has

15 been stored in the memory, replacing, on the basis of a position at which the marker resides, some of the image data with data relating to transmission information, and transmitting this image data without expanding or compressing it.

20 27. A storage medium storing a program for causing a computer to function as the following means in an image communication apparatus in order to transmit image data:

means for compressing the image data and adding on a marker that is for adding on transmission information;

25 means for storing the compressed image data in memory; and

means for detecting the marker from the image data that has been stored in the memory, and replacing, on the basis of a position at which the marker resides, some of the image data with data relating to transmission information.

28. A storage medium storing a program for causing a computer to function as the following means in an image communication apparatus in order to transmit image data that has been entered:

means for compressing image data that has been entered and adding on a marker that is for adding on transmission information;

means for storing the compressed image data in memory; and

means for detecting the marker from the image data that has been stored in the memory and replacing, on the basis of a position at which the marker resides, some of the image data with data relating to transmission information.

29. A storage medium storing a program for causing a computer to function as the following means in an image communication apparatus, which has means for reading an image and successively storing image data representing the image in a buffer, in order to transmit the image data:

means for extracting the image data from the buffer

in prescribed area units of the image;

means for compressing each item of image data that has been extracted and adding on a marker that is for adding on transmission information;

5 means for storing the compressed image data in memory; and

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10 means for detecting the marker from the image data that has been stored in the memory and replacing, on the basis of a position at which the marker resides, some of the image data with data relating to transmission information.

30. A storage medium storing a program for causing a computer to function as the following means in an image communication apparatus in order to transmit image data
15 that has been entered:

means for compressing the image data and adding on a marker that is for adding on transmission information;

means for preserving the compressed image data; and

20 means for detecting the marker from the preserved image data and replacing, on the basis of a position at which the marker resides, some of the image data with data relating to transmission information.

31. A storage medium storing a program for causing a computer to function as the following means in an image communication apparatus in order to transmit image data:
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means for compressing the image data and adding on

a marker that is for adding on transmission information;

means for storing the compressed image data in
memory; and

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- 5 means for detecting the marker from the image data
that has been stored in the memory, replacing, on the
basis of a position at which the marker resides, some of
the image data with data relating to transmission
information, and transmitting this image data without
expanding or compressing it.